

Species Tag:	66004	Species Name:	SOO-18
Version:	1		Sulfur dioxide
Date:	Nov. 1996		¹⁶ O ¹⁸ O isotope
Contributor:	H. S. P. Müller		

Lines Listed:	9758	Q(300.0)=	12706.042
Freq. (GHz) <	3550	Q(225.0)=	8247.949
Max. J:	80	Q(150.0)=	4487.201
LOGSTR0=	-7.5	Q(75.00)=	1586.536
LOGSTR1=	-6.5	Q(37.50)=	561.686
Isotope Corr.:	-2.690	Q(18.75)=	199.254
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	70.946
μ_a =	0.0328	A=	59101.185
μ_b =	1.6327	B=	9724.645
μ_c =		C=	8331.562

These measurements are based on fits to the data from (1) the compilation of F. J. Lovas, 1978, J. Phys. Chem. Ref. Data **7**, 1445; and from (2) E. Klisch, S. P. Belov, and G. Winnewisser, private communication (1996). Some higher distortion constants have been fixed to values of the ³²SO₂ isotopomer.

The dipole moment is assumed to be the same as for the ³²S isotope; the rotation of the axis system has been taken into account.